

XP-002099382

1/1 - (C) WPI / DERWENT
AN - 87-281912 ç40!
AP - JP860033769 860220; JP860033769 860220; çBased on
J62197309 !
PR - JP860033769 860220
TI - Titania silica composite body mfr. - includes adding
aq. acid titanium soln. - to alkali silicate soln. opt.
in presence of titanium oxide
IW - TITANIA SILICA COMPOSITE BODY MANUFACTURE ADD AQUEOUS
ACID TITANIUM SOLUTION ALKALI SILICATE SOLUTION OPTION
PRESENCE TITANIUM OXIDE
PA - (TOKU) TOKUYAMA SODA KK
PN - JP62197309 A 870901 DW8740 007pp
- JP6045451B B2 940615 DW9422 C01B33/113 004pp
ORD - 1987-09-01
IC - C01B33/11 ; C01B33/113 ; C01G23/04 ; C08K9/02 ;
C08K9/04 ; C09C1/28 ; C09D7/12
FS - CPI
DC - A60 E32 E36 G01 L02
AB - J62197309 A non-crystalline titania/silica composite
body is claimed. It has primary particle size of 10-100
nm, opacity (measured by volume method) of 0.5-30 and
oil absorbing capacity of 100 ml/ 100 g - 300ml/100g.
The specific surface area is 50-40 m2/g, and the
content of titania w.r.t. silica is 0.5-30 wt.%.
- In the prodn., an aq. acid soln. of titanium is added
to an aq. soln. of an alkali silicate opt in the
presence of titanium oxide, for at least 30 min until
the pH becomes 1-7. The resulting soln. is then heated
at 80 deg.C - the b.pt. of the soln.
- USE/ADVANTAGE - The produced titania/silica composite
body is esp. useful as a filling agent or coating agent
for paper, paint, and plastic rubber to render opacity.
The cpd. not only renders improved opacity, but also
offers good oil absorbing capacity and a large
refractive index.(0/0)

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